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TITLE: AQUEOUS PIGMENT DISPERSION AND ITS PRODUCTION

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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To obtain an aqueous pigment dispersion desirable as an ink colorant by mixing a pigment with an alkali-soluble resin dispersant, a surfactant and water.

CONSTITUTION: This production process consists of dispersing a mixture comprising a pigment in which the black pigment is aniline black or carbon black, the yellow pigment is an insoluble azo, isoindolinone, benzimidazolone or condensed azo pigment, and the red pigment is an insoluble azo, quinacridone perillene or dioxazine pigment, and the blue pigment is a phthalocyanine or indanthrene dye, a nonionic long-chain-alkyl-containing surfactant having an HLB of 14 or above and water with a grinding mill, adding a solution prepared by neutralizing an alkali-soluble resin dispersant having an acid value of 100mg(KOH) or above with an alkanolamine and dissolving the product dissolved in water to the above dispersion and adsorptively exchanging the surfactant for the alkali-soluble resin dispersant under agitation.

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